Access DB#\_\_\_

# SEARCH REQUEST FORM

Scientific and Technical Information Center

(5710)				
	ON WEBER	Examiner # : B950	9 Data (12	DEC 03
	Number 30 8 40/5	Serial Number:	10 06 74	95
Mail Box and Bldg/Room Location		sults Format Preferred (	circle): PAPER	DISK E-MAIL
If more than one search is sub-	mitted, please prioriti	ze searches in order *******	of need.	*****
Please provide a detailed statement of th Include the elected species or structures, utility of the invention. Define any term known. Please attach a copy of the cover	e search topic, and describe keywords, synonyms, acro is that may have a special m	e as specifically as possible t nyms, and registry numbers leaning. Give examples or r	the subject matter to	be searched.
^ /	roogtvansferd		6	
Inventors (please provide full names):	Benjanun	A Horenstan	1 Hongt	in Sun
Earliest Priority Filing Date:	102/3001			
*For Sequence Searches Only* Please incl		 (parent, child, divisional, or is	sued patent numbers,	) along with the
appropriate serial number.				-
Dease Sd	larch compo	und of Char	unds, early	specials 1-5
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earcher: JARRELL	Type of Search  NA Sequence (#)	Vendors and co	st where applicable	e
earcher Phone #:	AA Sequence (#)	Dialog		, was
earcher Location:	Structure (#)	Questel/Orbit		
ate Searcher Picked Up:	Bibliographic	Dr.Link	·	
ate Completed: 12/03/03	Litigation	Lexis/Nexis		
earcher Prep & Review Time: 180 MIN	Fulltext	Sequence Systems		<b>8</b> ,
lerical Prep Time:	Patent Family	WWW/Internet		<del>-</del>

=> b reg FILE 'REGISTRY' ENTERED AT 10:48:29 ON 03 DEC 2003 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2003 American Chemical Society (ACS)

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STRUCTURE FILE UPDATES: 2 DEC 2003 HIGHEST RN 622845-74-3 DICTIONARY FILE UPDATES: 2 DEC 2003 HIGHEST RN 622845-74-3

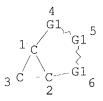
TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> d stat que 110 L9 STE



VAR G1=C/O/S/N NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS

STEREO ATTRIBUTES: NONE
L10 5 SEA FILE=REGISTRY SSS SAM L9

0.9% PROCESSED 1000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*INCOMPLETE\*\*

PROJECTED ITERATIONS: EXCEEDS 1000000
PROJECTED ANSWERS: EXCEEDS 9973

Structure too broad to search. Adding Rgroups did not help.

5 ANSWERS

=> => b reg FILE 'REGISTRY' ENTERED AT 10:52:17 ON 03 DEC 2003 'USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2003 American Chemical Society (ACS)

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STRUCTURE FILE UPDATES: 2 DEC 2003 HIGHEST RN 622845-74-3 DICTIONARY FILE UPDATES: 2 DEC 2003 HIGHEST RN 622845-74-3

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> d que stat 114 L11 STF

VAR G1=C/O/S/N
REP G2=(1-2) 14-32 13-12
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS UNS AT 30
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS M1-X4 N AT 30

GRAPH ATTRIBUTES: RSPEC I NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE

L14 8 SEA FILE=REGISTRY SSS FUL L11

100.0% PROCESSED 1727 ITERATIONS SEARCH TIME: 00.00.01

Structure Search was narrowed by presence forcing nucleotide to be present anywhere in structure (where point of attachment is not Specified)

8 ANSWERS

=> b cap FILE 'CAPLUS' ENTERED AT 10:52:40 ON 03 DEC 2003 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

#### Weber 10/067495

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FILE COVERS 1907 - 3 Dec 2003 VOL 139 ISS 23 FILE LAST UPDATED: 2 Dec 2003 (20031202/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

=> d que nos 115

L11 · STR

L14 8 SEA FILE=REGISTRY SSS FUL L11

>>> the earliest to the latest publication.

2 SEA FILE=CAPLUS ABB=ON PLU=ON L14 L15

#### => b uspatfull

FILE 'USPATFULL' ENTERED AT 10:53:00 ON 03 DEC 2003 CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 2 Dec 2003 (20031202/PD) FILE LAST UPDATED: 2 Dec 2003 (20031202/ED) HIGHEST GRANTED PATENT NUMBER: US6658663 HIGHEST APPLICATION PUBLICATION NUMBER: US2003221233 CA INDEXING IS CURRENT THROUGH 2 Dec 2003 (20031202/UPCA) ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 2 Dec 2003 (20031202/PD) REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2003 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2003

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<<<
>>> USPAT2 is now available. USPATFULL contains full text of the
>>> original, i.e., the earliest published granted patents or
                                                                         <<<
>>> applications. USPAT2 contains full text of the latest US
                                                                         <<<
                                                                         <<<
>>> publications, starting in 2001, for the inventions covered in
>>> USPATFULL. A USPATFULL record contains not only the original
>>> published document but also a list of any subsequent
                                                                         <<<
>>> publications. The publication number, patent kind code, and
                                                                         <<<
>>> publication date for all the US publications for an invention
                                                                         <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL
                                                                         <<<
>>> records and may be searched in standard search fields, e.g., \ensuremath{/\,\text{PN}}, \ensuremath{<<<}
                                                                         <<<
>>> /PK, etc.
                                                                         <<<
>>> USPATFULL and USPAT2 can be accessed and searched together
                                                                         <<<
>>> through the new cluster USPATALL. Type FILE USPATALL to
                                                                         <<<
>>> enter this cluster.
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>>>
>>> Use USPATALL when searching terms such as patent assignees,
                                                                         <<<
>>> classifications, or claims, that may potentially change from
                                                                         <<<
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#### Weber 10/067495

=> d que nos 116 L11 STR

L14 8 SEA FILE=REGISTRY SSS FUL L11

L16 1 SEA FILE-USPATFULL ABB-ON PLU-ON L14

=> dup rem 115 116

FILE 'CAPLUS' ENTERED AT 10:53:31 ON 03 DEC 2003

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FILE 'USPATFULL' ENTERED AT 10:53:31 ON 03 DEC 2003
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PROCESSING COMPLETED FOR L15
PROCESSING COMPLETED FOR L16
L18 3 DUP REM L15 L16 (0 DUPLICATES REMOVED)

=> d ibib abs hitstr 1-3

L18 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:615635 CAPLUS

DOCUMENT NUMBER: 137:163831

TITLE: Inhibitors of glycosyltransferase enzymes INVENTOR(S): Horenstein, Benjamin A.; Sun, Hongbin

PATENT ASSIGNEE(S): The University of Florida, USA

SOURCE: PCT Int. Appl., 28 pp.

, CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.			KII	ND	DATE			A	PPLI	CATI	и ис	o.	DATE				
	MO	20020	14	A1 20020815			WO 2002-US3348				8	20020204						
	****	W:	AE.	AG.	AL.	AM.	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	ΒY,	BZ,	CA,	CH,	CN,
		** •	CO.	CR.	CU.	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
			GM.	HR.	HU.	TD.	IL.	IN.	IS,	JP,	KE,	KG,	KΡ,	KR,	KΖ,	LC,	LK,	LR,
			LS.	LT.	T.U.	LV.	MA.	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NΖ,	OM,	PΗ,
			PL.	PT.	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	ΤJ,	TM,	TN,	TR,	TT,	TΖ,
			UA,	UG,	US,	UZ,	VN,	YU,	ZA,	ZM,	ZW,	AM,	ΑZ,	BY,	KG,	KΖ,	MD,	RU,
			TJ,	TM														
		RW:	GH,	GM,	ΚE,	LS,	MW,	MΖ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	ΑT,	BE,	CH,
			CY,	DE,	DK,	ES,	FΙ,	FR,	GB,	GR,	ΙE,	ΙT,	LU,	MC,	NL,	PΤ,	SE,	TR,
			BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	ΝE,	SN,	TD,	T'G
	US	2002	1114	96	A	1	2002	0815		U	S 20	02-6	7495		2002	0204		
PRIC	RITY	APP:	LN.	INFO	. :				!	US 2	001-	2661	28P	Р	2001	0202		
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AB	The	sub	iect	inv	enti	on p	rovi	des	comp	ds.	and :	meth	ods	of p	rodu	cing	com	pds.
	whi	ich a	re u	sefu	l in	hibi	tors	of	glyc	osyl	tran	sfer	ase	enzy	mes.	Th	ese (	comp
					- 1		£ ~1		·1+~	ancf	arac	a in	hihi	tors	and	are	note	ent

AB The subject invention provides compds. and methods of producing compds., which are useful inhibitors of glycosyltransferase enzymes. These compds. represent a new class of glycosyltransferase inhibitors and are potent inhibitors of sialyltransferases. The subject invention also provides methods of treating diseases or conditions associated with glycosyltransferases. Methods of modulating the activity of glycosyltransferases are also provided.

IT 446233-49-4 446233-50-7

RL: PAC (Pharmacological activity); RCT (Reactant); THU (Therapeutic use); BIOL (Biological study); RACT (Reactant or reagent); USES (Uses) (inhibitors of glycosyltransferase enzymes in relation to treatment of

diseases)
446233-49-4 CAPLUS

CN 5'-Cytidylic acid, N-acetyl-, mono[[(1S,5S,6S)-3-carboxybicyclo[3.1.0]hex-2-en-6-yl]methyl] ester, 2',3'-diacetate, disodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN

●2 Na

RN 446233-50-7 CAPLUS

CN 5'-Cytidylic acid, N-acetyl-, mono[[(1R,5R,6S)-3-carboxybicyclo[3.1.0]hex-2-en-6-yl]methyl] ester, 2',3'-diacetate, disodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

•2 Na

### IT 340006-48-6P 340006-50-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(inhibitors of glycosyltransferase enzymes in relation to treatment of diseases)

RN 340006-48-6 CAPLUS

5'-Cytidylic acid, N-acetyl-, mono[[(1R,5R,6R)-3-(methoxycarbonyl)bicyclo[3.1.0]hex-2-en-6-yl]methyl] ester, 2',3'-diacetate, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CN

CRN 340006-47-5 CMF C24 H30 N3 O13 P

Absolute stereochemistry.

CM 2

CRN 121-44-8 CMF C6 H15 N

RN 340006-50-0 CAPLUS
CN 5'-Cytidylic acid, N-acetyl-, mono[[(1S,5S,6S)-3(methoxycarbonyl)bicyclo[3.1.0]hex-2-en-6-yl]methyl] ester,
2',3'-diacetate, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 340006-49-7 CMF C24 H30 N3 O13 P

Absolute stereochemistry.

CM 2

CRN 121-44-8 CMF C6 H15 N

Εt Et-N-Et

REFERENCE COUNT:

THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 2 OF 3 USPATFULL on STN

ACCESSION NUMBER: 2002:206795 USPATFULL

TITLE: Inhibitors of glycosyltransferase enzymes

24

INVENTOR(S): Horenstein, Benjamin A., Gainesville, FL, UNITED STATES

Sun, Hongbin, Gainesville, FL, UNITED STATES

NUMBER KIND DATE \_\_\_\_\_\_\_\_ US 2002111496 A1 20020815 PATENT INFORMATION: APPLICATION INFO.: US 2002-67495 A1 20020204 (10)

> NUMBER DATE \_\_\_\_\_\_\_

PRIORITY INFORMATION: US 2001-266128P 20010202 (60)

DOCUMENT TYPE: Utility APPLICATION FILE SEGMENT:

LEGAL REPRESENTATIVE: SALIWANCHIK LLOYD & SALIWANCHIK, A PROFESSIONAL

ASSOCIATION, 2421 N.W. 41ST STREET, SUITE A-1,

GAINESVILLE, FL, 326066669

NUMBER OF CLAIMS: 20 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 4 Drawing Page(s)

LINE COUNT: 511

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The subject invention provides compounds and methods of producing compounds, which are useful inhibitors of glycosyltransferase enzymes. These compounds represent a new class of glycosyltransferase inhibitors and are potent inhibitors of sialyltransferase. The subject invention also provides methods of treating diseases or conditions associated with glycosytransferases. Methods of modulating the activity of glycosytransferases are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

#### IT 446233-49-4 446233-50-7

(inhibitors of glycosyltransferase enzymes in relation to treatment of diseases)

RN 446233-49-4 USPATFULL

CN 5'-Cytidylic acid, N-acetyl-, mono[[(1S,5S,6S)-3-carboxybicyclo[3.1.0]hex-2-en-6-yl]methyl] ester, 2',3'-diacetate, disodium salt (9CI) (CA INDEX NAME)

#### ●2 Na

RN 446233-50-7 USPATFULL

CN 5'-Cytidylic acid, N-acetyl-, mono[[(1R,5R,6S)-3-carboxybicyclo[3.1.0]hex-2-en-6-yl]methyl] ester, 2',3'-diacetate, disodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

#### •2 Na

IT 340006-48-6P 340006-50-0P

(inhibitors of glycosyltransferase enzymes in relation to treatment of diseases)

RN 340006-48-6 USPATFULL

5'-Cytidylic acid, N-acetyl-, mono[[(1R,5R,6R)-3-(methoxycarbonyl)bicyclo[3.1.0]hex-2-en-6-yl]methyl] ester, 2',3'-diacetate, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 340006-47-5 CMF C24 H30 N3 O13 P

CM 2

CRN 121-44-8 CMF C6 H15 N

Et | | Et-N-Et

CM 1

CRN 340006-49-7 CMF C24 H30 N3 O13 P

Absolute stereochemistry.

CM 2

CRN 121-44-8 CMF C6 H15 N

Et | | Et-N-Et L18 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2001:206984 CAPLUS

DOCUMENT NUMBER: 134:367121

TITLE: Synthesis of a new transition-state analog of the

sialyl donor. Inhibition of sialyltransferases

Sun, H.; Yang, J.; Amaral, K. E.; Horenstein, B. A.

Department of Chemistry, University of Florida,

Gainesville, FL, 32611-7200, USA

Tetrahedron Letters (2001), 42(13), 2451-2453

CODEN: TELEAY; ISSN: 0040-4039

Elsevier Science Ltd.

PUBLISHER: DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 134:367121

GΙ

AUTHOR(S):

SOURCE:

CORPORATE SOURCE:

AΒ A new class of glycosyltransferase inhibitor has been designed and synthesized. The designed inhibitors nucleotides , e.g. I, provide conformational mimicry of the transition state in sialyltransfer  $% \left( \frac{1}{2}\right) =\frac{1}{2}\left( \frac{1}{2}\right) +\frac{1}{2}\left( \frac{1}{2}\right) +\frac{1}{2}\left($ reactions. The key synthetic steps involve a Meinwald rearrangement and a palladium-catalyzed carbonylation reaction. The results of kinetic studies show that I exhibit significant inhibition on both 2,3- and 2,6-sialytransferases.

340006-51-1P 340006-52-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(synthesis of a nucleotides analog of the sialyl donor as inhibitor of sialyltransferases via Meinwald rearrangement and a palladium-catalyzed carbonylation reactions)

RN 340006-51-1 CAPLUS

CN 5'-Cytidylic acid, mono[[(1S,5R,6R)-3-carboxybicyclo[3.1.0]hex-2-en-6yl]methyl] ester, disodium salt (9CI) (CA INDEX NAME)

$$H_2N$$
 $H_0$ 
 $H_0$ 

#### 2 Na

RN 340006-52-2 CAPLUS

5'-Cytidylic acid, mono[[(1S,5S,6S)-3-carboxybicyclo[3.1.0]hex-2-en-6-CN yl]methyl] ester, disodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

#### Na

340006-48-6P 340006-50-0P ΙT

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(synthesis of a nucleotides analog of the sialyl donor as inhibitor of sialyltransferases via Meinwald rearrangement and a palladium-catalyzed carbonylation reactions)

RN

340006-48-6 CAPLUS 5'-Cytidylic acid, N-acetyl-, mono[[(1R,5R,6R)-3-CN (methoxycarbonyl)bicyclo[3.1.0]hex-2-en-6-yl]methyl] ester, 2',3'-diacetate, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM1

CRN 340006-47-5 C24 H30 N3 O13 P CMF

CM 2

CRN 121-44-8 CMF C6 H15 N

CM 1

CRN 340006-49-7 CMF C24 H30 N3 O13 P

Absolute stereochemistry.

CM 2

CRN 121-44-8 CMF C6 H15 N

#### Weber 10/067495

REFERENCE COUNT:

THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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24

FILE COVERS 1907-1966 FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d que nos 117

L11 STR

L14 8 SEA FILE=REGISTRY SSS FUL L11

L17 O SEA FILE=CAOLD ABB=ON PLU=ON L14

=> b home

FILE 'HOME' ENTERED AT 10:54:16 ON 03 DEC 2003

=> b reg FILE 'REGISTRY' ENTERED AT 11:14:09 ON 03 DEC 2003 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2003 American Chemical Society (ACS)

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STRUCTURE FILE UPDATES: 2 DEC 2003 HIGHEST RN 622845-74-3 DICTIONARY FILE UPDATES: 2 DEC 2003 HIGHEST RN 622845-74-3

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

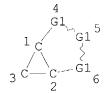
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> d stat que 126

L9 STR



## Search of Method Claim 16

VAR G1=C/O/S/N NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 6

STEREO ATTRIBUTES: NONE

DILLIO	OTHING MITHERATED: NOME						
L19	1	SEA FILE=REGISTRY ABB=ON PLU=ON GLYCOSYLTRANSFERASE/CN					
L20	1325	SEA FILE=HCA ABB=ON PLU=ON L19					
L21	4350	SEA FILE=HCA ABB=ON PLU=ON (GLYCOSYLTRANSFERASE OR GLYCOSYLHY					
		DROLASE OR GLYCOSIDE (W) (TRANFERASE OR HYDROLASE))					
L22	655	SEA FILE=HCA ABB=ON PLU=ON (L20 OR L21) (L) (INHIBIT? OR					
		BLOCK? OR ANTAG?)					
L23		SEL PLU=ON L22 1- RN: 5072 TERMS					
L24	5072	SEA FILE=REGISTRY ABB=ON PLU=ON L23					
L26	18	SEA FILE=REGISTRY SUB=L24 SSS FUL L9					

100.0% PROCESSED 307 ITERATIONS

18 ANSWERS

SEARCH TIME: 00.00.01

=> b hcap FILE 'HCAPLUS' ENTERED AT 11:14:45 ON 03 DEC 2003 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE COVERS 1907 - 3 Dec 2003 VOL 139 ISS 23 FILE LAST UPDATED: 2 Dec 2003 (20031202/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

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=> d que nos 129
L9
              1 SEA FILE=REGISTRY ABB=ON PLU=ON GLYCOSYLTRANSFERASE/CN
L19
           1325 SEA FILE=HCA ABB=ON PLU=ON L19
L20
           4350 SEA FILE=HCA ABB=ON PLU=ON (GLYCOSYLTRANSFERASE OR GLYCOSYLHY
L21
                DROLASE OR GLYCOSIDE (W) (TRANFERASE OR HYDROLASE))
            655 SEA FILE=HCA ABB=ON PLU=ON (L20 OR L21) (L) (INHIBIT? OR
L22
                BLOCK? OR ANTAG?)
                                            5072 TERMS
L23
                SEL PLU=ON L22 1- RN:
L24
           5072 SEA FILE=REGISTRY ABB=ON PLU=ON L23
            18 SEA FILE=REGISTRY SUB=L24 SSS FUL L9
L26
L28
             14 SEA FILE=HCA ABB=ON PLU=ON L26
              2 SEA FILE=HCA ABB=ON PLU=ON L28 AND L22
L29
=> s 129 not 114
            14·L26
          1332 L19
          2502 GLYCOSYLTRANSFERASE/OBI
           880 GLYCOSYLTRANSFERASES/OBI
          2697 GLYCOSYLTRANSFERASE/OBI
                 ((GLYCOSYLTRANSFERASE OR GLYCOSYLTRANSFERASES)/OBI)
            12 GLYCOSYLHYDROLASE/OBI
             9 GLYCOSYLHYDROLASES/OBI
            16 GLYCOSYLHYDROLASE/OBI
                 ((GLYCOSYLHYDROLASE OR GLYCOSYLHYDROLASES)/OBI)
         24213 GLYCOSIDE/OBI
         43343 GLYCOSIDES/OBI
         48461 GLYCOSIDE/OBI
                 ((GLYCOSIDE OR GLYCOSIDES)/OBI)
            14 TRANFERASE/OBI
             2 TRANFERASES/OBI
            16 TRANFERASE/OBI
                 ((TRANFERASE OR TRANFERASES)/OBI)
         12150 HYDROLASE/OBI
          3617 HYDROLASES/OBI
         13457 HYDROLASE/OBI
                 ((HYDROLASE OR HYDROLASES)/OBI)
        768930 INHIBIT?/OBI
        158417 BLOCK?/OBI
        100736 ANTAG?/OBI
           209 (L20 OR L21) (L) (INHIBIT?/OBI OR BLOCK?/OBI OR ANTAG?/OBI)
             2 L14
L31
             0 L29 NOT L14
=>
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Previously Printed

No New References in this search, L31.